



July 10, 1961

Dear Milt:

As a result of our meeting with you on July 6, 1961 relative to EK fabrication of a V/H device based on the P-E design and other subjects pertinent to the project, the following notes represent my understanding of our basic agreements and discussions.

We anticipate receiving from you quotations on cost and time schedule for:

1. A straight line V/H sensor optical head and grid assembly including the neon illuminator and photo-sensor cell. The device will be mounted to attach points or mounting surface which will be mutually agreed upon by P-E and EK.
2. Two high speed mechanical resolvers (equivalent to the Mechanaire devices).
3. One preamp for the sensor head.

In addition, you will provide the results of your yaw tests and electrical circuit information when it becomes available in a transmittible form (within approximately two weeks). You were to review the sensor system components to ascertain which items, in addition to those mentioned above, should not be procured directly from a vendor but must be procured through your own facilities to maintain security. It was also pointed out that we could achieve cost savings wherein technical knowledge has been attained over an extended period of time by you and could be used in supplying us particular components fabricated in your facilities.

You will supply power dissipation and weight factors for your total V/H system as it now exists as soon as possible.

It is my recollection that you would anticipate being funded for any components or fabrication by contract revision from Headquarters rather than by direct purchase orders from EK, which has been indicated as our procedure. The paper work under this method of operation would probably clear through [redacted] Although the security considerations may be a prime factor, we visualize the possibility of undue complexity under a contract revision type of operation. We, by this letter, are requesting Headquarters to determine the course of action to be followed which should also include a means of reimbursing you for such engineering

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effort as you are not in a position to absorb which will be expended in the transfer of technical information to our group.

You will also recall our limited discussion on EK's ability to personnel wise support a flight test of your V/H unit. Your guess was approximately 6 to 8 men for a period of four weeks. Although the number of people seems quite high, we are not in a position to concur or disagree and feel that at some future date we could supply personnel to work with you on this test program. We will await further information from you before taking any action.

I have brought your questions on film and schedules to John O's attention. Your messages 695 and 696 should receive TWX or letter answers complete within the next few days. John will also obtain costs on non-coated polyester material to use as leader in your configuration which may be left in the device for extended periods without danger of emulsion or pelloid adherence to rollers. John will submit his findings to you with a copy to Headquarters for procurement approval. We are checking again the roll telescoping problem.

We will await your report on mercury handling techniques before reopening discussion. We will probably continue to take the stand that the only way to safely handle mercury is to have none to handle.

I wish to thank you and your group for the fine cooperation you are giving us on the V/H program. We now have adequate information to conduct our basic system requirement and design review.

57E
B. L. E.

BLE:LB

cc: E. L. G.

C. F. H. ✓

G. K.

J. A. O.